

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-3. (Canceled)

4. (Currently amended) An isolated antibody which binds selectively to carbohydrate deficient transferrin CDT, wherein the binding takes place in the region of the following four segments (1) to (4) of the carbohydrate deficient transferrin CDT sequence:

SEQ ID NO: 1 VVARSMGGKEDLIWELL and

SEQ ID NO: 2 TTEDSIAKIMNGEADAMSLDGGF and

SEQ ID NO: 3 SKLSMGSGLNLSPEPN and

SEQ ID NO: 4 YEKYLGEEYVKAV.

5. (Currently amended) The antibody as claimed in claim 4, wherein the binding takes place only in the region of three of the segments (1) to (4) of the carbohydrate deficient transferrin sequence.

6. (Currently amended) The antibody as claimed in claim 4, wherein the binding takes place only in the region of two of the segments (1) to (4) of the carbohydrate deficient transferrin sequence.

7. (Currently amended) The antibody as claimed in claim [[1]] 4, which is a monoclonal antibody.

8. (Currently amended) A monoclonal antibody which is produced by the cell culture having the deposition deposit number DSM ACC2540.

9. (Currently amended) A monoclonal antibody which is produced by the cell culture having the deposition deposit DSM ACC2541.

10. (Currently amended) An antigen-binding fragment which can be prepared from an antibody as claimed in claim [[1]] 4.

11. (Canceled)

12. (Currently Amended) A process for preparing the antibody as claimed in claim 4 by immunizing a suitable experimental animal with unglycosylated transferrin, fusing the spleen cells of this experimental animal to myeloma cells, resulting in antibody-producing hybrid cells, cloning the hybrid cells and selecting a hybrid cell clone which produces an antibody whose binding according to the results of an epitope mapping takes place in the region of the following four segments (1) to (4) of the carbohydrate deficient transferrin CDT sequence:

SEQ ID NO: 1 VVARSMGGKEDLIWELL and

SEQ ID NO: 2 TTEDSIAKIMNGEADAMSLDGGF and

SEQ ID NO: 3 SKLSMGSGNLSEPN and

SEQ ID NO: 4 YEKYLGEYVKAV;

and obtaining antibodies by a process known to the skilled worker from the hybrid cell clone selected in this way.

13. (Currently amended) An immunoassay for detecting carbohydrate deficient transferrin CDT in a sample, which comprises bringing an antibody as claimed in claim [[1]] 4 into contact with the sample, and determining qualitatively or quantitatively the formation of an immune complex involving carbohydrate deficient transferrin CDT.

14. (Previously presented) A test kit for carrying out an immunoassay as claimed in claim 13.